

In the Specification:

Page 1, change the paragraph beginning on line 20 to read:

In the prior art, a plurality of sensors are usually used, which serve for the evaluation of the process progress, for checking and control of discontinually running processes in liquids, a cleaning step in an industrial plant for food processing for cleaning coatings, ~~etc.~~, etc. If the process progress cannot be measured directly, the sensor data in the control are evaluated whether the process is to be completed or whether a further process step is required.

Page 2, change the paragraph beginning on line 15 through line 25 to read as follows:

However, these methods have a number of disadvantages. On the one hand, it is typically difficult and expensive to determine the connection between the sensor parameters and the state of the process. Disturbance variables, which have not occurred in determining the dependency of the sensor parameters on the state of the process, are difficult to compensate. Generally, knowledge-based algorithms have the disadvantage that they cannot react to unexpected changes. Further, the time changes of the sensor, i.e., a sensor drift, have to be compensated expensively, or a re-calibration of the sensor has to be performed.

Page 2, after line 25, insert:

OBJECT OF THE INVENTION

Page 2, change the paragraph beginning on line 15 through line 25 to read as follows:

It is the object of the present invention to provide an apparatus and a method [[,]] which ~~enables a~~  
enable stable monitoring of running processes.

Page 2, line 30, insert:

BRIEF SUMMARY OF THE INVENTION

Page 7, line 14, change to read as follows:

DETAILED DESCRIPTION ~~OF THE PREFERRED EMBODIMENTS~~